

3/2/2018

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	
PO038983	ACI001-VC	11	1	Net 30	M303B1.000X03.000	303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft				24	2/28/2018	24		S047255	Stock	3/2/2018	\$ 74.41 / ft	0		
		12			M303B1.000X1.000	M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft						26		S047256	Stock	3/2/2018	\$ 20.94 / ft	0		
		23			MT-4140-B-1.000X6.250 MT-4140-B-1.000X6.250	4140 Steel Bar 1.000 X 6.250 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft				4		4		S047257	Stock	3/2/2018	\$ 61.25 / ft	0		
Total:										52		54								

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DELIVERY - CLIENT

Copy CO00073293

ACIER OUELLETTE INC.
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Customer N°	CLI0001056
Date	2018/02/08
Delivery date	2018/03/02
Your order N°	038983
Processed by	Josianne Bourdon
Salesman	
Carrier	OUELLETTE VALLEYFIELD
Credit Terme	Net 30 Days
Page	1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 FLAT SS 1 X 3 SS303 NS FSS-13303 9735 2 X 12' R/L HEAT: E274980 AC13480-SM-21/02	246.00	24.00	PL \$CLB		2x11'10"	24	24				DAS 11 9-89
2 SQUARE SS 1 SS303 NS CSS-1303 9512 2 X 12' R/L HEAT: 67705071 AC13455-SM-15/02	81.60	24.00	PL \$CLB		2x13'	26	26				DAS 11 9-89
3 PLATE 4140 HT 1 RANDOM NS P4140-1H-V 8796 1 X 6 1/4" X 48" HEAT: 301054 ac13456-FU-21/02	84.95	2.08	PI2 \$CLB		1x6 1/4" x 48"	2	2				DAS 11 9-89

Total Weight (lbs) : 412.55

NIR : R-109516-6

Conditions :
All solid and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By : CL/Ric

Verified By : AM

Delivered By : VJ

Time

Customer's Signature

Date

Total (\$CAD)



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038983**

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038983

PO Date: 2/7/18

Due Date: 2/12/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lacelle, Linda
Phone: llacelle@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quotation sou0084311

REVISED

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
11	M303B1.000X03.000		303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/28/18	24 ft	0 ft	24 ft	\$74.41/ft	\$1,785.84
						24'			MAR 02 2018 DAS 11 9-89	
12	M303B1.000X1.000		M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/28/18	24 ft	0 ft	24 ft	\$20.94/ft	\$502.56
						26'			MAR 02 2018 DAS 11 9-89	
23	MT-4140-B- 1.000X6.250		4140 Steel Bar 1.000 X 6.250 : AISI 4140N STEEL BAR PER MIL-S- 5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	2/28/18	4 ft	0 ft	4 ft	\$61.25/ft	\$245.00
						4'			MAR 02 2018 DAS 11 9-89	

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
25	M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S- 5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/26/18	96 sf	0 sf	96 sf	\$6.50863/sf	\$624.83
<p>Line Item Note replacement mat'l need credit for line #1 mat'l was not to spec's</p>										
										Grand Total: \$3,158.23
Order Notes										
<p>Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents</p> <p>A048 counterfeit parts avoidance, detection, mitigation and disposition program</p> <p>A049 supplier awareness</p> <p>Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.</p>										

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DAS
FEB 23 2018

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038983**

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038983

PO Date: 2/7/18

Due Date: 2/12/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lacelle, LindaPhone:
llacelle@dartaero.com

E-M

FEB 09 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quotation sou0084311

REVISED

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$6.508625/sf	\$624.83
							96		FEB 13 2018 FEB 14 2018	
2	M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	2/12/18	256 sf	0 sf	256 sf	\$5.355/sf	\$1,370.88
							256		FEB 13 2018	
3	M304S20GA		304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$3.90854/sf	\$375.22
							96		FEB 14 2018	
5	M6061T6S.040		6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$3.6648958/sf	\$351.83
							96		FEB 14 2018	

FEB 14 2018

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Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	M6061T6S.063		6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$5.6397916/sf	\$541.42
							96		FEB 14 2018	
7	M6061T6S0.250X6.250		6061-T651 Sheet 0.250" Thick Plate x 6.250" Wide	Firmed	2/12/18	6 ft	0 ft	6 ft	\$16.508333/ft	\$99.05
							6		FEB 14 2018	
8	M6061T6B1.000X04.000		6061-T6 Bar 1.00 X 4.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$13.245833/ft	\$158.95
							12		FEB 14 2018	
9	M6061T6B1.000X8.000		6061T6 Bar 1.000 X 8.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$24.994166/ft	\$299.93
							12		FEB 14 2018	
10	M6061T6B1.000X06.000		6061T6 Bar 1.00 X 6.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	2/12/18	36 ft	0 ft	36 ft	\$19.451666/ft	\$700.26
							36		FEB 14 2018	
11	M303B1.000X03.000		303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/16/18	24 ft	0 ft	24 ft	\$74.41/ft	\$1,785.84
12	M303B1.000X1.000		M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/16/18	24 ft	0 ft	24 ft	\$20.94/ft	\$502.56

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FEB 14 2018

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
13	M304B1.000X2.500		304 Bar 1.000 X 2.500" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$30.255833/ft	\$363.07
						x 12	12	02/13/18	FEB 14 2018	
14	M304B2.500X02.500		304 Bar 2.500 X 2.500" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$80.75/ft	\$969.00
						x 12	12	02/13/18	FEB 14 2018	
15	M304B0.625X4.000		304 Bar 0.625 X 4.000" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	4 ft	0 ft	4 ft	\$48.105/ft	\$192.42
						4			FEB 14 2018	
16	MT-4140QT-R1.375		MT-4140 QT-R1.375 : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	2/14/18	20 ft	0 ft	20 ft	\$9.3885/ft	\$187.77
						24			FEB 14 2018	
17	M303R0.250		303 Round Bar 0.250"	Firmed	2/12/18	12 ft	0 ft	12 ft	\$0.575833/ft	\$6.91
						12			FEB 14 2018	
18	M6061T6TS1.250W.120		6061T6 Sq Tube 1.250 X 1.250 X.120W : MATERIAL: 6061-T6 OR 6061- T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Firmed	2/12/18	20 ft	0 ft	20 ft	\$1.4615/ft	\$29.23
						20			FEB 14 2018	
19	M2024T3S.040		2024-T3 .040 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209	Firmed	2/12/18	48 sf	0 sf	48 sf	\$5.601875/sf	\$268.89
						48			FEB 14 2018	
20	M1018R1.00		1018-1025 Round Bar 1.00 : MATERIAL: AISI 1018- 1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108 receive ft	Firmed	2/12/18	20 ft	0 ft	20 ft	\$2.6685/ft	\$53.37
						18			FEB 14 2018	

FEB 14 2018

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Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
21	MT-4140QT-R1.000		AISI 4140 Quenched & Tempered Steel Round Bar 1.000" Dia.	Firmed	2/12/18	8 ft	0 ft	8 ft	\$4,78875/ft	\$38.31
							8		FEB 14 2018	
22	MT-4140QT-R0.625		AISI 4140 Quenched & Tempered Steel Round Bar 0.625" Dia.	Firmed	2/14/18	100 ft	0 ft	100 ft	\$2.8782/ft	\$287.82
							90		FEB 14 2018	
23	MT-4140-B-1.000X6.250		4140 Steel Bar 1.000 X 6.250 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	2/22/18	4 ft	0 ft	4 ft	\$61.25/ft	\$245.00
24	MT-A513-T-0.750W0.085		A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.085" Wall	Firmed	2/14/18	20 ft	0 ft	20 ft	\$3.60/ft	\$72.00
							23		FEB 14 2018	
Line Item Note 0.083"wall acceptable										Grand Total: \$9,524.50

Order Notes

Procurement Quality Clauses

A005 right of entry
 A012 chemical and physical test report
 A016 personnel qualification
 A017 raw material identification (as applicable)
 A026 certification of material conformance
 A041 quality management system
 A042 dart notification by supplier
 A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

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FEB 14 2018

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**ACIER OUELLETTE INC.**

935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation**SOU0085398****Billed to**

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

Customer N  CLI0001056
Date 2018/02/09
Revision N  0
Prices valid until 2018/02/16
Your Order N  038983
Processed by Josianne Bourdon
Salesman JOSIANNE
Carrier OUELLE SDV
Credit Terms Net 30 Days
Page 1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND 4140 HEAT TREAT 5/8 RANDOM R4140-58H-V 4977 5 X 20' R/L 2-3 DAYS	104.30	100.00	PI_\$CLB	100.00	PI		5.00	57.564	287.82
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE			\$						3.95

Total Weight (Lbs) 104.30

Important

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.

This offer is subject and conditional to credit approval.

Approved and Accepted by : _____

Date : _____ **Total (\$CAD)** 329.70

Sub-total 291.77

TVH-13 ' 37.93

CO. 73293
PART

PO: 13480

MONTANSTAHL
special profiles in steel

Tel.: +41 (91) 6416-875
Fax.: +41 (91) 6416-804
Email: qualita@montanstahl.com

Certified by TÜV SÜD Management Service GmbH according to:
ISO 9001:2008, with certificate N° 12 100 6402 TMS AD
2000-Merkblatt W0
PED (2014/68/EU), with certificate 41/2003/MUC Annex I,
Section 4.3
CPR 305/2011, Certificate N° 0036-CPR-M-63-2013
EN 1090-1:2009, Certificate N° 0036-CPR-EN1090-1-00437
TÜV SÜD.2018.001

MONTANSTAHL AG, Via Gerrette 4, CH-6855 Stabio

Company
STAINLESS STRUCTURALS LLC
575 Conroe Park West Drive
USA 77303 CONROE

Inspection certificate
EN 10204 3.1

Certificate no.
72524-00

Product Flats - ACD 1x3 inch, 11'-13'		Execution ACD													
Grade AISI 303 - UNS-S-30300 / ASTM A582 / A582M-AMS5640 U type 1		Melting EAF/AOD													
Size standard AMS 2241S	Product standard	Order confirmation no.	Invoice no.												
Your order	Your order position	Your article no.	Net weight! 1986 lbs												
Bundles 1295100, 1295111															
Heat E274980	C	Si	Mn	P	S	Ni	Cr	Mo	Ti	Al	N	Cu	Pb	V	Co
	0.055	0.59	1.64	0.028	0.254	8.60	17.78	0.34			0.020	0.60			0.096
Heat E274980	Tensile strength Rm		Yield strength Rp 0.2% Rp 1%		Elongation A5		Area reduction Z		Hardness HB		Impact test KV				
	103 ksi		61 ksi		45 %		55 %		175						

- We hereby confirm that the material certified in this document is conform to enclosed data sheet
- Material is produced in compliance with ROHS (2002/95/EC)
- Material free from Mercury, Cadmium and radioactive contamination
- Micro and Macro structure: OK.
- No weldings or weld repair
- The delivery is in accordance with the order

- Country of melt: Germany
- Country of manufacturing origin: Switzerland

* Supplier's analysis

Manufacturer's symbol



Date 26.05.2017

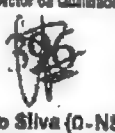
Quality department

Andrea Bevilacqua

Authorized inspector:

Bevilacqua Andrea

00.13455

BOLLINGHAUS® STEEL Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT. 01 10 050458		Abnahmeprüfzeugnis / Mill Test Certificate / Certif. de Qualidade EN 10204:2004 / 3.1		No.: / Nr.: / Nr.: 0000132769											
		Unsere Innere Verweisung / Our Int. Ref. / Ref. Int. 5600036895 000040		Datum / Date / Data 30.08.2017											
Normen / Standards / Normas TYPE 303/UNS S30300 acc. to ASTM A582/A582M-12e1, ASTM A314-16, ASTM A320/A320M-16e, ASTM F899-12b, ASTM A370-17, ASME SA320/SA320M, ASME SA370, TYPE 1 acc. to AMS 5640V, ASTM A484/A484M-16, Sulphur 0.28-0.30 % ASME specifications versions 2015 Section II Part A.															
Kunde / Customer / Cliente			Endgültiger Kunde / Final Customer / Cliente Final												
Bestell Nr./Order Nr./Enc.Nr.			Bestell Nr./Order Nr./Enc.Nr.												
Produktgruppe / Product Group / Grupo Produto AISI 303 CD SQ 1"		Gewicht / Weight / Peso 5.349 lb		Bunde / Bundle / Atados 05											
Werkstoff-Nr. Material-no. Qualidade 1.4305		Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 8 CrNiS 18-9													
Beschreibung / Description / Descrição Stainless steel cold drawn square bars US DFAR 252.225-7009; MELT SOURCE: France / MFG: Portugal.															
Schmelzen Nr. Cast nr. / Funded no.		Chemische Analyse in % / Chemical composition in % / Análise química em %													
87705071		C	0.054	Si	0.401	Mn	1.684	P	0.036	S	0.289	Cr	17.144	Ni	8.286
EAF+AOD		Mo	0.349	Co	0.114	Cu	0.516	N	0.030	Ti	0.001	-	-	-	-
Proben Nr. Test no. Amostra no.	ASTM E399 Kerschlagarbeit Impact Test Resistência (Charpy V)		ASTM A370 Streckgrenze Yield point Tensão limite Rp 0.2 %		Dehngrenze T _s point Limite de extensão Rp 1.0 %		Zugfestigkeit Tensile strength Tensão de rotura Rm		Dehnung Elongation Alongamento A5 - 4D		Einschnürung Reduction of area Coef. Estricção Z				
	[J]		[Ksi]		[Ksi]		[Ksi]		[%]		[%]				
	3083919.02.D1		74.0		81.1		107.0		41.5		44.3				
	-		74.0		81.1		107.0		41.5		44.3				
Visuelle Kontrolle Visual inspection Inspeção visual		<input checked="" type="checkbox"/> Ok		ASTM E10 Härte Hardness Durezza 210 [HB]		Korrosionsbeeinträchtigung IC Test Corrosão Intermetálica		Wärmehandlung Heat treatment Tratamento térmico Annealed Quenched 1800 °F (1050 °C) (water quenched)							
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional		<input checked="" type="checkbox"/> Ok		ASTM E112 Korngröße Grain size Tamanho de grão 9		Werksachverständiger Quality Control Representative Inspector de Qualidade  Nuno Silva (0-N8)									
Verwechslungssicherung Test of identity Teste de identificação		<input checked="" type="checkbox"/> Ok		Makroskopische Untersuchung Macrographic test Material free from segregation defects.		<input checked="" type="checkbox"/> Ok									
Bemerkungen / Remarks / Observações Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.						Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.									

Dart

CO 73293

AC 13476

Chemical certification Certification chimique
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Order Num / No. Commande AC-13456	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 08/31/17	Heat / soude 301054	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREATED				
Shape / Forme FLAT	Size / Dimension 1.000	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique				
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)	
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190	
Actuel % 0.400	0.300	0.780	0.009	
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)	
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500	
Actuel % 0.000	0.970	0.210	0.170	
Copper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)	
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000	
Actuel % 0.249	0.036	0.050	0.000	
Cobalt (Co)	Titanium (Ti)			
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000	0.000
Mechanical properties / Propriétés Mécaniques				
Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC
0.000 PSI	0.000 PSI	0.00	0.00	313 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.


 Prepared by: / Préparé par:

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-1.000X6.250

PO / BATCH NO.: 038983/SC42257

DATE: MAR 02 2018

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 4'
 QUANTITY INSPECTED: 4'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORROSION	<input type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input type="radio"/> N	<u>Astm A829</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input type="radio"/> N	
PHOTO REQUIRED	<input type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input type="radio"/> N	<u>Heat # 301054</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>		SIGNED OFF BY: _____	
DATE: <u>9-89 MAR 02 2018</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

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SPECIFICATION: ASTM A829, AMS 6395

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

[illegible]

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303B1.000X1.000
 DATE: MAR 02 2018

PO / BATCH NO.: 038983/5047256

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 26'
 QUANTITY INSPECTED: 26'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	Astm A582
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	Heat # 67705071
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 MAR 02 2018</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS BAR
(NOTE: AISI 304/816 NOT ACCEPTABLE)

SPECIFICATION:

PART NUMBER:

ASTM A582
M303B|T.TTT|X|WWW|WWW|
THICK|WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
AND "WWW.WWWW" = WIDTH IN INCHES

EG. 0.5" x 3.0" BAR = M303B0.500X03.000

RELEASED
R 2010-02-02
NR

B	REFORMAT DWG. ADD SPECS (ZN D8-1).	CP	10.01.05
A	NEW ISSUE	DS	02.05.29
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M303B			
TITLE 303 BAR			
REV. B			
SHEET 1 OF 1			
SCALE NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 17303BL000X03.000

PO / BATCH NO.: 038483/5047255

DATE: MAR 02 2018

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	Y (N)	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	Y (N)	
CORRECT MATERIAL PER M-DRAWING	Y (N)	Astm A582
CORRECT THICKNESS	Y (N)	
PHOTO REQUIRED	Y (N)	Heat # E2 74980
CORRECT REF # TO LINK CERT	Y (N)	
CORRECT MATERIAL IDENTIFICATION	Y (N)	
CORRECT M# ON THE MATERIAL	Y (N)	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>9-39 MAR 02 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

ASTM A582

M303B|T.TT|X|WWW.WWW|
THICK|WIDTH

WHERE "T.TT" = THICKNESS IN INCHES
AND "WWW.WWW" = WIDTH IN INCHES
EG. 0.5" x 3.0" BAR = M303B0.500X03.000

△

SPECIFICATION:
PART NUMBER:

RELEASED
R 2010-02-02
NPL

B	REFORMAT DWG. ADD SPECS (ZN D8 1).	CP	10.01.05
A	NEW ISSUE	DS	02.05.29
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	REV. B
M303B	SHEET 1 OF 1
TITLE	SCALE
303 BAR	NTS
DATE 10.01.05	

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